

#40180 Store at -20°C

## PJA2 Antibody



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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IP	H Mk	Endogenous	150	Rabbit	#O43164	9867

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunoprecipitation	1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	PJA2 Antibody recognizes endogenous levels of total PJA2 protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly332 of human PJA2 protein. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Praja-2 (PJA2/RNF131) is a RING-H2-type E3 ubiquitin ligase. PJA2 is highly expressed in neural tissue and research studies have shown that PJA2 plays a role modulating synaptic architecture and long-term memory by promoting the ubiquitin-dependent proteolysis of Nogo-A and PKA regulatory subunits (1,2). Research studies have also shown that PJA2 sustains glioblastoma growth by driving the ubiquitin-dependent proteasomal degradation of MOB, which inactivates the LATS tumor suppressor kinase of the Hippo pathway (3).	
Background References	1. Sepe, M. et al. (2014) <i>Proc Natl Acad Sci U S A</i> 111, 15729-34. 2. Lignitto, L. et al. (2011) <i>Nat Cell Biol</i> 13, 412-22. 3. Lignitto, L. et al. (2013) <i>Nat Commun</i> 4, 1822.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	<b>WB:</b> Western Blotting <b>IP:</b> Immunoprecipitation
Cross-Reactivity Key	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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